

# HSP-Dosatron

Chemical Mixer Panel



## Features

- Dosatron pumps requires no electricity or air to operate
- Pump has dial-in ratio
- Internal mixing
- Installed directly in the city water supply line and water driven
- Accurate metering



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# HSP-Dosatron Chemical Mixer Panel

Fresh water enters from a source through the main water supply manifold and flows into each pressured regulator and the Dosatron pump water intake. When water enters the pump intake port, chemical from the storage barrel below is drawn up into the lower end of the Dosatron chemical intake and mixes with the fresh water going out the discharge port of the Dosatron pump.

Ratio of water/chemical is adjustable using the turning knob found at the lower end of the Dosatron pump. The blended solution is pumped out to the car wash arches and equipment. No electric pumps are used other than the pressurized city water that is fed into each individual Dosatron pump station. NO ELECTRICITY OR AIR IS REQUIRED TO OPERATE THE DOSATRON PUMP.

Pump operation is achieved only when the hydraulic solenoid valve opens and allows water into the pump intake. This happens when an electronic 24VAC signal from an outside controller opens up the normally closed solenoid valve allowing water to flow into the pump intake.

**NOTE:** For technical questions concerning the Dosatron pump, consult the technical brochure that comes with the Dosatron pumps.

Frontal view showing 4 Dosatron pumps. Larger panels can be constructed depending on the designed capacity.



## Benefits

- No electricity or air required for pump to function
- Easy to adjust
- Reliable blended chemistry
- Repeatable every time regardless of the flow or pressure fluctuations

## Specifications

- Wall mount inside control panel or a clean dry area
- Equipment height (field verify)
- Equipment length (varies per order)
- Requires 1-1/2" fresh water supply
- Requires single phase, 60Hz, 24VAC electric power for solenoid valves.
- Electric power for solenoid valves
- Bulk chemical containers

## Equipment Options

- Chemical Dosatron board may be mounted on a floor-mounted, free-standing frame
- Dosatron pumps that are available:
  - 1:20 to 1:100 mix ratio
  - 1:50 to 1:500 mix ratio
  - 1:500 to 1:1500 mix ratio